

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R76/2006-GB1-17.07

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Mannie Panesar – Head of Technical Services**
Applicant: **ArjoHuntleigh AB
Hans Michelsensgatan 10
211 20 Malmö
Sweden**
Manufacturer: **The applicant**
Identification of the certified pattern: **Huntleigh Healthcare Enterprise 9000, Enterprise 9100, 9000X, Citadel and Citadel Plus hospital beds with weighing facility**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R 76 - Edition 2006(E) for accuracy class: [III]

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

Issue Date: **28 April 2017**



Marek Bokota
Technical Manager
For and on behalf of the Head of Technical Services



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The conformity was established by testing and examinations described in the associated Evaluation Report P01747 b which includes 14 pages.

Characteristics of the instrument:

The ArjoHuntleigh Healthcare Enterprise 9000, 9100, 9000X, Citadel and Citadel Plus are hospital beds incorporating a Class III, mains operated, self-indicating, Non-Automatic Weighing Instrument having the following characteristics:

ArjoHuntleigh Healthcare Enterprise 9000, 9100 and 9000X:

Maximum capacity (Max)	250 kg
Minimum capacity (Min)	10 kg
Scale interval (e =)	0.5 kg
Number of divisions (n)	500

ArjoHuntleigh Healthcare Citadel:

Maximum capacity (Max)	270 kg
Minimum capacity (Min)	10 kg
Scale interval (e =)	0.5 kg
Number of divisions (n)	540

ArjoHuntleigh Healthcare Citadel Plus:

Maximum capacity (Max)	522 kg
Minimum capacity (Min)	10 kg
Scale interval (e =)	0.5 kg
Number of divisions (n)	1044

Main features:

The CDI-1600 indicator has the following features:

- Hospital bed, with contour control and weighing functions.
- Four load cells.
- Safety sides incorporating attendant controls, including weighing control buttons. Identical weight displays and associated control buttons are on both sides of the bed.

Devices:

- Semi-automatic zero setting device.
- Verification scale interval 0.5 kg, but with extended indicating device temporarily giving interval of 0.1 kg.
- "BED EXIT" alarm function if weight decreases to 50% or less.
- "AUTO-COMP" function that allows the weight to be held steady while equipment is added

Power supply

The instrument operates on a 230 V AC supply with an optional battery back-up.

Load cells

The four load cells are each a Vishay TedeA Huntleigh shear beam load cell model 3410 with a capacity of 1000 lb (all models), or each a Zemic (Zhonghang Electronic Measuring Instruments Co Ltd) shear beam load cell model H8C with a capacity of 500 kg (all models except Citadel Plus).

Software

The software is installed as compiled code, as an executable file, and as such cannot be modified using common software tools. Any modification to the software can only be carried out by an approved technician.

The weighing module (QLCI) part of the software is shown as follows:

Name	0077730
Application version number	1.81
Application function	The QLCI (Quadrature load cell interface) is a four channel weighing module capable of sampling, digitizing and processing up to 4 load cells individually.

The verification information can be found on the side of the weighing module (QLCI) on a label bearing the following information, software number and version number. A tamper proof label is also used to seal the QLCI lid to prevent un-authorized calibration or re-programming of the weighing module.

The display part of the software is shown as follows:

Model	Enterprise	Citadel	Citadel Plus
Name	070152	070213	070230
Application version number	1.XX	2.XX	2.XX
Application function	The control unit software controls all functions of the electronic control system incorporating single button push controls and nurse call		

In the above software release numbers, "XX" represents changes to the non-legally-relevant software which may be modified by the manufacturer and do not affect the metrology parts of the software. The version number can be displayed via the user interface.

Sealings:

The data plate is secured, either by sealing or by being of a form such that it is destroyed when removed.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-17.07	28 April 2017	Certificate first issued.
-	-	No revisions have been issued.